

NAME: \_\_\_\_\_

# PERCENT PROPORTION

Solve each problem by writing and solving a proportion. Show all steps and round your answer to the nearest tenth if necessary.

## Steps to Solve a Proportion

1. Set up the Proportion: Write the two ratios as fractions equal to each other.  $\frac{A}{B} = \frac{C}{D}$
2. Cross-Multiply: Multiply diagonally across the equal's sign.  $A \times D = B \times C$
3. Solve for the Variable: Divide to find the unknown value. Unknown:  $\frac{\text{Product of Known Values}}{\text{Other Known Value}}$
4. Round: Round your answer to the nearest tenth if needed.

a) 40% of the 50 employees in a company are women. How many women work in the company?

### Solution:

1. Set up the proportion:
2. Cross-multiply:
3. Solve for the Variable:
4. Answer:

b) 15% of 80 trees in a park are oaks. How many oaks are in the park?

### Solution:

1. Set up the proportion:
2. Cross-multiply:
3. Solve for the Variable:
4. Answer:

c) 70% of 120 students passed the exam. How many students passed the exam?

### Solution:

1. Set up the proportion:
2. Cross-multiply:
3. Solve for the Variable:
4. Answer:

How Did You Do? 